

# Michael A Taylor

## List of Publications by Citations

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36  
papers

3,733  
citations

19  
h-index

37  
g-index

37  
ext. papers

4,314  
ext. citations

4.6  
avg, IF

4.51  
L-index

#	Paper	IF	Citations
36	Global observed changes in daily climate extremes of temperature and precipitation. <i>Journal of Geophysical Research</i> , <b>2006</b> , 111,		2250
35	The human imperative of stabilizing global climate change at 1.5°C. <i>Science</i> , <b>2019</b> , 365,	33.3	201
34	Recent changes in climate extremes in the Caribbean region. <i>Journal of Geophysical Research</i> , <b>2002</b> , 107, ACL 16-1-ACL 16-9		188
33	Influence of the tropical Atlantic versus the tropical Pacific on Caribbean rainfall. <i>Journal of Geophysical Research</i> , <b>2002</b> , 107, 10-1		140
32	Future climate of the Caribbean from a regional climate model. <i>International Journal of Climatology</i> , <b>2011</b> , 31, 1866-1878	3.5	122
31	Investigating the link between early season Caribbean rainfall and the El Niño + 1 year. <i>International Journal of Climatology</i> , <b>2002</b> , 22, 87-106	3.5	117
30	Changes in extreme temperature and precipitation in the Caribbean region, 1961-2010. <i>International Journal of Climatology</i> , <b>2014</b> , 34, 2957-2971	3.5	110
29	Features of the Caribbean low level jet. <i>International Journal of Climatology</i> , <b>2007</b> , 28, 119-128	3.5	80
28	Future Caribbean Climates in a World of Rising Temperatures: The 1.5 vs 2.0 Dilemma. <i>Journal of Climate</i> , <b>2018</b> , 31, 2907-2926	4.4	54
27	Why dry? Investigating the future evolution of the Caribbean Low Level Jet to explain projected Caribbean drying. <i>International Journal of Climatology</i> , <b>2013</b> , 33, 784-792	3.5	49
26	The effect of concurrent sea-surface temperature anomalies in the tropical Pacific and Atlantic on Caribbean rainfall. <i>International Journal of Climatology</i> , <b>2004</b> , 24, 1531-1541	3.5	49
25	Tropical gradient influences on Caribbean rainfall. <i>Journal of Geophysical Research</i> , <b>2011</b> , 116,		44
24	Long-term trends in precipitation and temperature across the Caribbean. <i>International Journal of Climatology</i> , <b>2016</b> , 36, 3314-3333	3.5	40
23	Future climate of the Caribbean from a super-high-resolution atmospheric general circulation model. <i>Theoretical and Applied Climatology</i> , <b>2013</b> , 113, 271-287	3	39
22	Projected Changes in Temperature and Precipitation Over the United States, Central America, and the Caribbean in CMIP6 GCMs. <i>Earth Systems and Environment</i> , <b>2021</b> , 5, 1-24	7.5	32
21	Assessing the effect of domain size over the Caribbean region using the PRECIS regional climate model. <i>Climate Dynamics</i> , <b>2015</b> , 44, 1901-1918	4.2	29
20	Increasing the Accuracy and Automation of Fractional Vegetation Cover Estimation from Digital Photographs. <i>Remote Sensing</i> , <b>2016</b> , 8, 474	5	25

19	The Precis Caribbean Story: Lessons and Legacies. <i>Bulletin of the American Meteorological Society</i> , <b>2013</b> , 94, 1065-1073	6.1	24
18	Characterizing heat stress on livestock using the temperature humidity index (THI) prospects for a warmer Caribbean. <i>Regional Environmental Change</i> , <b>2018</b> , 18, 2329-2340	4.3	21
17	Dengue epidemics in the Caribbean-temperature indices to gauge the potential for onset of dengue. <i>Mitigation and Adaptation Strategies for Global Change</i> , <b>2008</b> , 13, 341-357	3.9	19
16	Future Caribbean temperature and rainfall extremes from statistical downscaling. <i>International Journal of Climatology</i> , <b>2017</b> , 37, 4828-4845	3.5	15
15	Caribbean climate change vulnerability: Lessons from an aggregate index approach. <i>PLoS ONE</i> , <b>2019</b> , 14, e0219250	3.7	14
14	A macro-scale flood risk model for Jamaica with impact of climate variability. <i>Natural Hazards</i> , <b>2015</b> , 78, 231-256	3	11
13	Frequency analysis, infilling and trends for extreme precipitation for Jamaica (1895-2010). <i>Journal of Hydrology: Regional Studies</i> , <b>2015</b> , 3, 424-443	3.6	11
12	Statistical downscaling of North Atlantic tropical cyclone frequency and the amplified role of the Caribbean low-level jet in a warmer climate. <i>Journal of Geophysical Research D: Atmospheres</i> , <b>2016</b> , 121, 3741-3758	4.4	10
11	Assessment of the potential implications of a 1.5 °C versus higher global temperature rise for the Afobaka hydropower scheme in Suriname. <i>Regional Environmental Change</i> , <b>2018</b> , 18, 2283-2295	4.3	10
10	Evaluation of Sixteen Gridded Precipitation Datasets over the Caribbean Region Using Gauge Observations. <i>Atmosphere</i> , <b>2020</b> , 11, 1334	2.7	7
9	Estimating damages from climate-related natural disasters for the Caribbean at 1.5 °C and 2 °C global warming above preindustrial levels. <i>Regional Environmental Change</i> , <b>2018</b> , 18, 2297-2312	4.3	7
8	Rainfall-runoff simulations using the CARIWIG Simple Model for Advection of Storms and Hurricanes and HEC-HMS: Implications of Hurricane Ivan over the Jamaica Hope River watershed. <i>Natural Hazards</i> , <b>2016</b> , 83, 1635	3	6
7	Generating Projections for the Caribbean at 1.5, 2.0 and 2.5 °C from a High-Resolution Ensemble. <i>Atmosphere</i> , <b>2021</b> , 12, 328	2.7	4
6	Regional Climates. <i>Bulletin of the American Meteorological Society</i> , <b>2020</b> , 101, S321-S420	6.1	2
5	Modelling Climate Change Impacts on Tropical Dry Forest Fauna. <i>Sustainability</i> , <b>2022</b> , 14, 4760	3.6	2
4	An assessment of the impact of 1.5 versus 2 and 2.5°C global temperature increase on flooding in Jamaica: a case study from the Hope watershed. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , <b>2022</b> , 380, 20210141	3	1
3	Characterizing Bushfire Occurrences over Jamaica Using the MODIS C6 Fire Archive 2001-2019. <i>Atmosphere</i> , <b>2021</b> , 12, 390	2.7	0
2	Regional Climates. <i>Bulletin of the American Meteorological Society</i> , <b>2021</b> , 102, S357-S464	6.1	0

1 The Caribbean and 1.5 °C: Is SRM an Option?. *Atmosphere*, **2021**, 12, 367

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